



2001 Toxics Release Inventory

MISSOURI

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	112,688,579
Air Emissions	34,177,643
Surface Water Discharges	1,660,217
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	67,560
Other On-site Land Releases	76,783,159
Off-site Releases (Transfers Off-site to Disposal)*	7,201,119
Total On- and Off-site Releases	119,889,698
Recycled On-site	304,207,614
Recycled Off-site	48,514,126
Energy Recovery On-site	99,253,396
Energy Recovery Off-site	17,564,464
Treated On-site	65,815,093
Treated Off-site**	13,598,100
Quantity Released On- and Off-site***	119,400,915
Total Production-related Waste Managed	668,353,708
Non-production-related Waste Managed	168,177
Transfers Off-site for Further Waste Management, including Disposal	
Recycling	48,724,068
Energy Recovery	17,615,673
Treatment	6,200,263
Publicly Owned Treatment Works (POTWs)	7,563,150
Metals and Metal Category Compounds*	76,623
Non-metal TRI Chemicals**	7,486,527
Other Off-site Transfers****	2,064
Transfers Off-site to Disposal (not including metals to POTWs)	7,220,335
Total Transfers Off-site for Further Waste Management, including Disposal	87,325,553

* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact

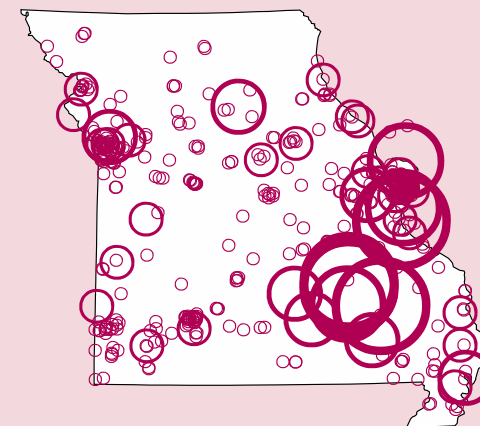
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To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Missouri. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	5,637,309
Square Miles	68,898
Total Facilities	619
Total Forms	2,303
Form As	383

	Total
National Rank for Total On- and Off-site Releases*	
Rank	16
Pounds	119,889,698
National Rank for Total On-site Releases**	
Rank	15
Pounds	112,688,579
National Rank for Total Releases within State***	
Rank	16
Pounds	119,724,208
National Rank for Production-related Waste Managed	
Rank	14
Pounds	668,353,708

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Zinc compounds	470,171	15,915	0	31,123,423	534,336	32,143,845	93,600	390,999	143,337
—	Lead compounds	416,216	3,674	0	27,854,840	3,538,790	31,813,521	34,497	3,369,184	169,651
—	Barium compounds	160,735	104,257	0	6,791,576	116,561	7,173,129	24,038	116,236	326
7647-01-0	Hydrochloric acid	5,874,476	0	0	168,005	0	6,042,481	0	0	0
67-56-1	Methanol***	5,876,557	12,713	0	5	14,489	5,903,764	2,694	5	14,484

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	416,216.26	3,673.92	0.00	27,854,840.47	3,538,790.24	31,813,520.89	34,497.43	3,369,184.49	169,650.68
7439-92-1	Lead	26,762.12	112.50	0.00	108,290.00	15,055.38	150,220.00	292,402.72	9,074.87	5,980.51
—	Polycyclic aromatic compounds	6,841.33	0.40	0.00	0.20	10,549.52	17,391.45	45.03	0.00	10,549.52
—	Mercury compounds	3,517.48	3.15	0.00	655.10	2,840.77	7,016.50	824.30	19.60	2,822.21
191-24-2	Benzo(g,h,i)perylene	29.87	0.00	0.00	0.00	5,031.06	5,060.93	0.27	0.00	5,031.06
7439-97-6	Mercury	54.97	0.00	0.00	49.58	238.93	343.47	174.23	6.00	232.93
1582-09-8	Trifluralin	58.03	0.00	0.00	0.00	48.00	106.03	710.72	48.00	0.00
40487-42-1	Pendimethalin	10.00	24.00	0.00	1.00	0.00	35.00	662.66	0.00	0.00
79-94-7	Tetrabromobisphenol A	20.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.07	0.04	0.00	0.00	0.00	0.12	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>33.200</i>	<i>20.393</i>	<i>0.000</i>	<i>1.388</i>	<i>0.158</i>	<i>55.138</i>	<i>0.000</i>	<i>0.015</i>	<i>0.142</i>
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	3.95	0.00	0.00
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	0.00	0.00	0.00	649.25	0.00	0.00
309-00-2	Aldrin	—****	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—****	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—****	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—****	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—****	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—****	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—****	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—****	—	—	—	—	—	—	—	—

* Exclude amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemicals ranking is based on the amounts in this column.

*** One facility, Royal Oak Enterprises in Licking, reported 2,324,448 pounds of air emissions of methanol in error. The amounts for methanol have been changed to omit this report. The correction was received too late to be included in the other tables in this report.

**** No reports were submitted for these chemicals.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Doe Run Co. Herculaneum Smelter, Herculaneum, Jefferson	261,169	442	0	0	0	15,182,450	15,444,061	1,230	5,114
Buick Mine/Mill, Boss, Iron	55,729	5,495	0	0	0	13,518,560	13,579,784	0	0
Brushy Creek Mine/Mill, Bunker, Reynolds	34,192	2,175	0	0	0	12,762,208	12,798,575	0	0
Fletcher Mine/Mill, Bunker, Reynolds	37,408	1,770	0	0	0	11,661,687	11,700,865	0	0
Doe Run Co. Glover Smelter, Glover, Iron	40,114	107	0	0	0	9,396,570	9,436,791	0	223
Ameren Sioux Power Plant, West Alton, St Charles	2,376,500	9,470	0	0	0	1,557,061	3,943,031	0	0
Sweetwater Mine/Mill, Ellington, Reynolds	12,138	520	0	0	0	3,845,748	3,858,406	0	0
Ameren Meramec Power Station, Saint Louis, Saint Louis City	2,110,525	12,186	0	0	0	1,580,080	3,702,791	0	0
Royal Oak Enterprises Inc. Ellsinore Mo., Ellsinore, Carter	2,714,976	0	0	0	0	0	2,714,976	0	0
Ford Motor Co. Kansas City Assembly Plant, Claycomo, Clay	2,635,667	0	0	0	0	0	2,635,667	34,182	36,600

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Fletcher Mine/Mill, Bunker, Reynolds	31,822.00	770.00	0.00	0.00	0.00	7,576,709.00	7,609,301.00	0.00	0.00
Buick Mine/Mill, Boss, Iron	40,776.00	1,042.00	0.00	0.00	0.00	7,365,407.00	7,407,225.00	0.00	0.00
Brushy Creek Mine/Mill, Bunker, Reynolds	26,462.00	679.00	0.00	0.00	0.00	5,501,603.00	5,528,744.00	0.00	0.00
Doe Run Co. Glover Smelter, Glover, Iron	30,625.00	6.00	0.00	0.00	0.00	2,917,755.00	2,948,386.00	0.00	223.00
Doe Run Co. Herculaneum Smelter, Herculaneum, Jefferson	226,513.00	98.00	0.00	0.00	0.00	2,432,597.00	2,659,208.00	0.00	1,533.00
Sweetwater Mine/Mill, Ellington, Reynolds	10,263.00	20.00	0.00	0.00	0.00	1,758,306.00	1,768,589.00	0.00	0.00
U.S. Army Maneuver Support Center Ranges, Fort Leonard Wood, Pulaski	185.00	0.00	0.00	0.00	0.00	85,884.00	86,069.00	0.00	0.00
Ameren Meramec Power Station, Saint Louis, Saint Louis City	1,090.00	54.00	0.00	0.00	0.00	62,080.00	63,224.00	0.00	0.00
Holcim (US) Inc. Clarksville Plant, Clarksville, Pike	220.01	0.00	0.00	0.00	0.00	52,310.00	52,530.01	0.00	0.00
Exide Techs. Canon Hollow Plant, Forest City, Holt	360.00	2.00	0.00	0.00	44,269.00	0.00	44,631.00	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Doe Run Co. Herculaneum Smelter, Herculaneum, Jefferson	47,191,482	0	0	0	0	0	15,511,394	62,702,876	85,464
Buick Mine/Mill, Boss, Iron	0	0	0	0	0	0	13,578,737	13,578,737	0
Brushy Creek Mine/Mill, Bunker, Reynolds	0	0	0	0	0	0	12,798,382	12,798,382	0
Fletcher Mine/Mill, Bunker, Reynolds	0	0	0	0	0	0	11,700,089	11,700,089	0
Doe Run Co. Glover Smelter, Glover, Iron	109,708,154	0	0	0	0	0	9,436,794	119,144,948	40
Ameren Sioux Power Plant, West Alton, St Charles	0	0	0	0	3,563,000	0	3,980,260	7,543,260	0
Sweetwater Mine/Mill, Ellington, Reynolds	0	0	0	0	0	0	3,857,863	3,857,863	0
Doe Run Co. Recycling Facility, Boss, Iron	6,678	0	0	0	0	0	3,843,054	3,849,732	0
Ameren Meramec Power Station, Saint Louis, Saint Louis City	1,815,108	0	0	0	620,000	0	3,040,160	5,475,268	0
Royal Oak Enterprises Inc. Ellsinore Mo., Ellsinore, Carter	0	0	0	0	0	0	2,714,976	2,714,976	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Fletcher Mine/Mill, Bunker, Reynolds	0.00	0.00	0.00	0.00	0.00	0.00	7,609,301.00	7,609,301.00	0.00
Buick Mine/Mill, Boss, Iron	0.00	0.00	0.00	0.00	0.00	0.00	7,407,225.00	7,407,225.00	0.00
Brushy Creek Mine/Mill, Bunker, Reynolds	0.00	0.00	0.00	0.00	0.00	0.00	5,528,744.00	5,528,744.00	0.00
Doe Run Co. Recycling Facility, Boss, Iron	6,205.00	0.00	0.00	0.00	0.00	0.00	3,275,263.00	3,281,468.00	0.00
Doe Run Co. Glover Smelter, Glover, Iron	85,537,286.00	0.00	0.00	0.00	0.00	0.00	2,948,386.00	88,485,672.00	14.00
Doe Run Co. Herculaneum Smelter, Herculaneum, Jefferson	41,782,939.00	0.00	0.00	0.00	0.00	0.00	2,641,917.00	44,424,856.00	18,832.00
Sweetwater Mine/Mill, Ellington, Reynolds	0.00	0.00	0.00	0.00	0.00	0.00	1,768,589.00	1,768,589.00	0.00
U.S. Army Maneuver Support Center Ranges, Fort Leonard Wood, Pulaski	0.00	0.00	0.00	0.00	0.00	0.00	86,069.00	86,069.00	0.00
GE Lighting-St. Louis Lamp Plant, Saint Louis, Saint Louis City	0.00	27,000.00	0.00	0.00	0.00	0.00	79,000.00	106,000.00	0.00
Missouri Chemical Works, Louisiana, Pike	0.00	0.00	0.00	0.00	0.00	0.00	70,250.00	70,250.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.